

FORM PTO-1449

U.S. Dept. of Commerce  
Patent and Trademark OfficeAtty Docket No.  
P1726R1D1Serial No. 10/157,863  
~~To Be Assigned~~

## LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant  
Presta, L.Filing Date  
15 Jan 2004Group 1644  
~~To Be Assigned~~

## U.S. PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date
C.C.	* 1	2002/0098193	25.07.02	Ward, E.			
	* 2	2003/0158389	21.08.03	Idusogie et al.			
	* 3	2004/0002587	01.01.04	Watkins et al.			
	* 4	4,752,601	21.06.88	Hahn			
	* 5	5,348,876	20.09.94	Michaelson et al.			
	* 6	5,576,184	19.11.96	Better et al.			
	* 7	5,624,821	29.04.97	Winter et al.			
	* 8	5,648,260	15.07.97	Winter et al.			
	* 9	5,698,449	16.12.97	Baumann et al.			
	* 10	5,736,137	07.04.98	Anderson et al.			
	* 11	5,985,599	16.11.99	McKenzie et al.			
	* 12	6,165,745	26.12.00	Ward et al.			
	* 13	6,194,551 B1	27.02.01	Idusogie et al.			
	* 14	6,242,195	05.06.01	Idusogie et al.			
	* 15	6,277,375	21.08.01	Ward, E.			
	* 16	6,528,624	04.03.03	Idusogie et al.			
	* 17	6,538,124	25.03.03	Idusogie et al.			

## FOREIGN PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Country	Class	Subclass	Translation Yes	No
C.C.	* 18	WO 00/09560	24.02.00	PCT				
	* 19	WO 02/060919	08.08.02	PCT				
	* 20	WO 88/07089	22.09.88	PCT				
	* 21	WO 93/22332	11.11.93	PCT				
	* 22	WO 94/29351	22.12.94	PCT				
	* 23	WO 97/28267	07.08.97	PCT				
	* 24	WO 97/34631	25.09.97	PCT				
	* 25	WO 97/44362	27.11.97	PCT				
	* 26	WO 98/23289	04.06.98	PCT				
	* 27	WO 98/52975	26.11.98	PCT (ENGLISH TRANSLATION ATTACHED)				
	* 28	WO 99/43713	02.09.99	PCT				
	* 29	WO 99/51642	14.10.99	PCT				
	* 30	WO 99/58572	18.11.99	PCT				

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

C.C.	* 31	Allan and Isliker, "Studies on the complement-binding site of rabbit immunoglobulin G-I. Modification of tryptophan residues and their role in anticomplementary activity of rabbit IgG" <u>Immunochimistry</u> 11(4):175-180 (Apr 1974)
C.C.	* 32	Angal et al., "A single amino acid substitution abolishes the heterogeneity of chimeric mouse/human (IgG4) antibody" <u>Molecular Immunology</u> 30(1):105-108 (Jan 1993)

Examiner

*C.C.*

Date Considered

9/23/05


\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


FORM PTO-1449		U.S. Dept. of Commerce Patent and Trademark Office		Atty Docket No. P1726R1D1	Serial No. <b>0757,863</b> <del>To Be Assigned</del>
<b>LIST OF DISCLOSURES CITED BY APPLICANT</b> (Use several sheets if necessary)				Applicant Presta, L.	
				Filing Date 15 Jan 2004	Group <b>1644</b> <del>To Be Assigned</del>
<b>OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)</b>					
C.C.	* 33	Armour et al., "Recombinant Human IgG Molecules Lacking Fcγ Receptor I Binding and Monocyte Triggering Activities." <u>European Journal of Immunology</u> , 29(8):2613-2624 (Aug 1999)			
	* 34	Bloom et al., "Intrachain disulfide bond in the core hinge region of human IgG4" <u>Protein Science</u> 6:407-415 (1997)			
	* 35	Bolland et al., "SHIP modulates immune receptor responses by regulating membrane association of Btk" <u>Immunity</u> 8(4):509-516 (Apr 1998)			
	* 36	Bredius et al., "Role of neutrophil FcγRIIa (CD32) and FcγRIIb (CD16) polymorphic forms in phagocytosis of human IgG1- and IgG3-opsonized bacteria and erythrocytes" <u>Immunology</u> 83(4):624-630 (Dec 1994)			
	* 37	Brekke et al., "Human IgG Isotype-Specific Amino Acid Residues Affecting Complement-Mediated Cell Lysis and Phagocytosis." <u>European Journal of Immunology</u> 24(10):2542-2547 (Oct 1994)			
	* 38	Burmeister et al., "Crystal Structure of the Complex of Rat Neonatal Fc Receptor with Fc." <u>Nature</u> 372(6504):379-383 (Nov 24, 1994)			
	* 39	Burton and Woof, "Human Antibody Effector Function" <u>Advances in Immunology</u> 51:1-84 (1992)			
	* 40	Burton et al., "Molecular recognition of antibody (IgG) by cellular Fc receptor (FcRI)" <u>Molecular Immunology</u> 25(11):1175-1181 (1988)			
	* 41	Burton et al., "The Clq Receptor Site on Immunoglobulin G." <u>Nature</u> 288(5789):338-344 (Nov 27, 1980)			
	* 42	Burton, D.R., "Immunoglobulin G: Functional Sites" <u>Molecular Immunology</u> 22(3):161-206 (1985)			
	* 43	Canfield and Morrison, "The Binding Affinity of Human IgG for its High Affinity Fc Receptor is Determined by Multiple Amino Acids in the CH2 Domain and is Modulated by the Hinge Region." <u>J. Experimental Medicine</u> 173(6):1483-1491 (Jun 1, 1991)			
	* 44	Capel et al., "Heterogeneity of Human IgG Fc Receptors." <u>Immunomethods</u> , 4:25-34 (1994)			
	* 45	Capon et al., "Designing CD4 Immuno adhesins for AIDS Therapy" <u>Nature</u> 337:525-531 (1989)			
	* 46	Carter et al., "Humanization of an Anti-p185 <sup>HER2</sup> Antibody For Human Cancer Therapy" <u>Proc. Natl. Acad. Sci. USA</u> 89:4285-4289 (May 1992)			
	* 47	Chappel et al., "Identification of Secondary FcγRI Binding Site within a Genetically Engineered Human IgG Antibody" <u>Journal of Biological Chemistry</u> 268:25124-25131 (1993)			
	* 48	Chappel et al., "Identification of the Fcγ Receptor Class I Binding Site in Human IgG Through the use of Recombinant IgG1/IgG2 Hybrid and Point-Mutated Antibodies." <u>Proc. Natl. Acad. Sci. USA</u> 88(20):9036-9040 (Oct 15, 1991)			
	* 49	Clynes and Ravetch, "Cytotoxic antibodies trigger inflammation through Fc receptors" <u>Immunity</u> 3(1):21-26 (Jul 1995)			
	* 50	Clynes et al., "Fc Receptors Are Required in Passive and Active Immunity to Melanoma." <u>Proc. Natl. Acad. Sci. USA</u> 95(2):652-656 (Jan 20, 1998)			
	* 51	Clynes et al., "Modulation of immune complex-induced inflammation in vivo by the coordinate expression of activation and inhibitory Fc receptors" <u>Journal of Experimental Medicine</u> 189(1):179-185 (Jan 4, 1999)			
C.C.	* 52	Clynes et al., "Uncoupling of immune complex formation and kidney damage in autoimmune glomerulonephritis" <u>Science</u> 279(5353):1052-1054 (Feb 13, 1998)			
Examiner <i>cm es</i>				Date Considered <b>9/23/05</b>	
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

FORM PTO-1449		U.S. Dept. of Commerce Patent and Trademark Office		Atty Docket No. P1726R1D1	Serial No. <u>19757/863</u> <del>To Be Assigned</del>
<b>LIST OF DISCLOSURES CITED BY APPLICANT</b> (Use several sheets if necessary)				Applicant Presta, L.	
				Filing Date 15 Jan 2004	Group <u>1644</u> <del>To Be Assigned</del>
<b>OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)</b>					
C.C.	* 53	Cosimi, A.B., "Clinical Development of ORTHOCLONE OKT3" <u>Transplantation Proceedings</u> (Suppl 1) XIX(2):7-16 (Apr 1987)			
	* 54	Daeron, M., "Fc Receptor Biology" <u>Annual Review of Immunology</u> 15:203-234 (1997)			
	* 55	de Haas et al., "Fcγ Receptors of Phagocytes." <u>J. of Laboratory Clinical Medicine</u> . 126:330-341 (1995)			
	* 56	Deisenhofer, J., "Crystallographic Refinement and Atomic Models of a Human Fc Fragment and Its Complex with Fragment B of Protein A from Staphylococcus aureus at 2.9- and 2.8-Å Resolution" <u>Biochemistry</u> 20(9):2361-2370 (1981)			
	* 57	Duncan and Winter., "The Binding Site for Clq on IgG." <u>Nature</u> . 332(21):738-740 (Apr 1988)			
	* 58	Duncan et al., "Localization of the Binding Site for the Human High-Affinity Fc Receptor on IgG." <u>Nature</u> 332:563-564 (April 7, 1988)			
	* 59	Gazzano-Santoro et al., "A Non-Radioactive Complement-Dependent Cytotoxicity Assay for Anti-CD20 Monoclonal Antibody." <u>Journal of Immunological Methods</u> . 202:163-171 (1997)			
	* 60	Gergely et al., "Fc Receptors on Lymphocytes and K Cells." <u>Biochemical Society Transactions</u> 12(5):739-743 (Oct 1984)			
	* 61	Ghebrehwet et al., "Isolation, cDNA cloning, and overexpression of a 33-kD cell surface glycoprotein that binds to the globular "heads" of Clq" <u>Journal of Experimental Medicine</u> 179(6):1809-1821 (Jun 1, 1994)			
	* 62	Ghetie and Ward, "FcRn: the MHC class I-related receptor that is more than an IgG transporter" <u>Immunology Today</u> 18(12):592-598 (Dec 1997)			
	* 63	Ghetie et al., "Abnormally short serum half-lives of IgG in β2-microglobulin-deficient mice" <u>European Journal of Immunology</u> 26(3):690-696 (Mar 1996)			
	* 64	Ghetie et al., "Increasing the serum persistence of an IgG fragment by random mutagenesis" <u>Nature Biotechnology</u> 15(7):637-640 (Jul 1997)			
	* 65	Gorman et al., "Transient Production of Proteins Using an Adenovirus Transformed Cell Line" <u>DNA Prot. Eng. Tech.</u> 2(1):3-10 (1990)			
	* 66	Graham et al., "Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5" <u>J. Gen. Virol.</u> 36:59-72 (1977)			
	* 67	Greenwood et al., "Engineering multiple-domain forms of the therapeutic antibody CAMPATH-1H: effects on complement lysis" <u>Therapeutic Immunology</u> 1(5):247-255 (Oct 1994)			
	* 68	Greenwood et al., "Structural motifs involved in human IgG antibody effector functions" <u>European Journal of Immunology</u> 23(5):1098-1104 (May 1993)			
	* 69	Guddat et al., "Three-dimensional structure of a human immunoglobulin with a hinge deletion" <u>PNAS (USA)</u> 90:4271-4275 (1993)			
	* 70	Haagen et al., "Interaction of Human Monocyte Fcγ Receptors with Rat IgG2b: A New Indicator for the FcγRIIa (R-H131) Polymorphism" <u>J. Immunol.</u> 154:1852-1860 (1995)			
	* 71	Hadley et al., "The functional activity of FcγRII and FcγRIII on subsets of human lymphocytes" <u>Immunology</u> 76(3):446-451 (Jul 1992)			
C.C.	* 72	Harris et al., "Crystallographic Structure of an Intact IgG1 Monoclonal Antibody" <u>Journal of Molecular Biology</u> 275:861-872 (1998)			
Examiner <u>cm cf</u>				Date Considered <u>9/23/05</u>	
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

FORM PTO-1449		U.S. Dept. of Commerce Patent and Trademark Office		Atty Docket No. P1726R1D1	Serial No. <u>10/757,863</u> <del>To Be Assigned</del>
<b>LIST OF DISCLOSURES CITED BY APPLICANT</b> (Use several sheets if necessary)				Applicant Presta, L.	
				Filing Date 15 Jan 2004	Group <u>1644</u> <del>To Be Assigned</del>
<b>OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)</b>					
C.C.	* 73	Harris et al., "Refined Structure of an Intact IgG2a Monoclonal Antibody" <u>Biochemistry</u> 36:1581-1597 (1997)			
	* 74	Hatta et al., "Association of Fcγ Receptor IIIB, But Not of Fcγ Receptor YIA and YIIA, Polymorphisms with Systemic Lupus Erythematosus in Japanese." <u>Genes and Immunity</u> 1:53-60 (1999)			
	* 75	Heiken et al., "T lymphocyte development in the absence of Fcε receptor Iγ subunit: analysis of thymic-dependent and independent αβ and γδ pathways" <u>European Journal of Immunology</u> 26(8):1935-1943 (Aug 1996)			
	* 76	Henry et al., "Participation of the N-terminal region of Cε3 in the binding of human IgE to its high-affinity receptor FcεRI" <u>Biochemistry</u> 36:15568-15578 (1997)			
	* 77	Hogarth et al., "Characterization of FcR Ig-binding sites and epitope mapping" <u>Immunomethods</u> 4(1):17-24 (Feb 1994)			
	* 78	Huizinga et al., "Binding Characteristics of Dimeric IgG Subclass Complexes to Human Neutrophils" <u>Journal of Immunology</u> 142:2359-2364 (1989)			
	* 79	Hulett et al., "Chimeric Fc Receptors Identify Functional Domains of the Murine High Affinity Receptors for IgG" <u>J. Immunol.</u> 147:1863-1868 (1991)			
	* 80	Jaakkola et al., "In vivo detection of vascular adhesion protein-1 in experimental inflammation" <u>American Journal of Pathology</u> 157(2):463-471 (Aug 2000)			
	* 81	Janeway et al. <u>Immunobiology, The Immune System in Health and Disease</u> , CB Ltd and Garland Publishing Inc., NY & London pps. 3:29-3:30 (1994)			
	* 82	Jefferis et al., "Molecular Definition of Interaction Sites on Human IgG for Fc Receptors (huFcγR)" <u>Molecular Immunology</u> 27(12):1237-1240 (1990)			
	* 83	Kabat et al. <u>Sequences of Proteins of Immunological Interest</u> (Table of Contents, Introduction and Constant Region Sequences sections), 5th edition, Bethesda, MD:NIH Vol. 1:iii-xcvi and 647-723 (1991)			
	* 84	Kabat, E. et al. <u>Sequences of Proteins of Immunological Interest</u> (pgs. 669, 671, 687, 696), 5th edition, Bethesda, MD:NIH Vol. 1 (1991)			
	* 85	Kabat. <u>Sequences of Proteins of Immunological Interest</u> , US Dept of Health and Human Services, NIH, 5th edition, Bethesda, MD (1991)			
	* 86	Kim et al., "Catabolism of the Murine IgG1 Molecule: Evidence That Both CH2-CH3 Domain Interfaces are Required for Persistence of IgG1 in the Circulation of Mice" <u>Scandinavian Journal Of Immunology</u> 40(4):457-465 (1994)			
	* 87	Kim et al., "Identifying Amino Acid Residues that Influence Plasma Clearance of Murine IgG1 Fragments by Site-Directed Mutagenesis." <u>European Journal of Immunology</u> 24:542-548 (1994)			
	* 88	Kim et al., "Inhibition of Vascular Endothelial Growth Factor-Induced Angiogenesis Suppresses Tumour Growth in vivo" <u>Nature</u> 362:841-844 (1993)			
	* 89	Kim et al., "Localization of the Site of the Murine IgG1 Molecule That is Involved in Binding to the Murine Intestinal Fc Receptor." <u>European Journal of Immunology</u> , 24:2429-2434 (1994)			
	* 90	Kim et al., "The Vascular Endothelial Growth Factor Proteins: Identification of Biologically Relevant Regions by Neutralizing Monoclonal Antibodies" <u>Growth Factors</u> 7(1):53-64 (1992)			
	* 91	Koene et al., "FcγRIIIa-158V/F Polymorphism Influences the Binding of the IgG by Natural Killer Cell. FcγRIIIa, Independently of the FcγRIIIa-48L/R/H Phenotype" <u>Blood</u> 90(3):1109-1114 (1997)			
C.C.	* 92	Kunkel, T., "Rapid and Efficient Site-Specific Mutagenesis Without Phenotypic Selection" <u>Proc. Natl. Acad. Sci.</u> 82:488-492 (1985)			
Examiner <u>Cm</u> <u>ef</u>				Date Considered <u>9/23/05</u>	
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

FORM PTO-1449  <b>LIST OF DISCLOSURES CITED BY APPLICANT</b> (Use several sheets if necessary)		U.S. Dept. of Commerce Patent and Trademark Office		Atty Docket No. P1726R1D1	Serial No. <u>10/757,863</u> <del>To Be Assigned</del>
				Applicant Presta, L.	
				Filing Date 15 Jan 2004	Group <u>1644</u> <del>To Be Assigned</del>
<b>OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)</b>					
C.C.	* 93	Lauvrak et al., "Identification and characterisation of C1q-binding phage displayed peptides" <u>Biological Chemistry</u> 378(12):1509-1519 (Dec 1997)			
	* 94	Lehrnbecher et al., "Variant genotypes of FcγRIIIa influence the development of Kaposi's sarcoma in HIV-infected men" <u>Blood</u> 95(7):2386-2390 (2000)			
	* 95	Lehrnbecher et al., "Variant Genotypes of the Low-Affinity Fcγ Receptors in Two Control Populations and a Review of Low-Affinity Fcγ Receptor Polymorphisms in Control and Disease Populations." <u>Blood</u> 94(12):4220-4232 (Dec 15, 1999)			
	* 96	Li et al., "Reconstitution of human FcγRIII cell type specificity in transgenic mice" <u>Journal of Experimental Medicine</u> 183(3):1259-1263 (Mar 1, 1996)			
	* 97	Lifely et al., "Glycosylation and Biological Activity of CAMPATH-1H Expressed in Different Cell Lines and Grown Under Different Culture Conditions." <u>Glycobiology</u> 5(8):813-822 (Dec 1995)			
	* 98	Lorenz et al., "Strong Association Between the Responder Status of the FcγII Receptor and Recurrent Spontaneous Abortion." <u>European Journal of Immunogenetics</u> 22(5):397-401 (Oct 1995)			
	* 99	Lucas et al., "High-Level Production of Recombinant Proteins in CHO Cells Using a Dicistronic DHFR Intron Expression Vector." <u>Nucleic Acids Research</u> 24(9):1774-1779 (1996)			
	*100	Lund et al., "Human FcγRI and FcγRII interact with distinct but overlapping sites on human IgG" <u>Journal of Immunology</u> 147(8):2657-2662 (Oct 15, 1991)			
	*101	Lund et al., "Multiple binding sites on the C <sub>H</sub> 2 domain of IgG for mouse FcγRII" <u>Molecular Immunology</u> 29(1):53-59 (Jan 1992)			
	*102	Lund et al., "Multiple Interactions of the IgG with Its Core Oligosaccharide Can Modulate Recognition by Complement and Human Fcγ Receptor I and Influence the Synthesis of Its Oligosaccharide Chains" <u>J. Immunol.</u> 157:4963-4969 (1996)			
	*103	Lund et al., "Oligosaccharide-protein interactions in IgG can modulate recognition by Fcγ receptors" <u>FASEB Journal</u> 9:115-119 (1995)			
	*104	Maxwell et al., "Crystal structure of the human leukocyte Fc receptor, FcγRIIa" <u>Nature Structural Biology</u> 6(5):437-442 (May 1999)			
	*105	Medesan et al., "Comparative studies of rat IgG to further delineate the Fc:FcRN interaction site" <u>European Journal of Immunology</u> 28:2092-2100 (1998)			
	*106	Medesan et al., "Delineation of the amino acid residues involved in transcytosis and catabolism of mouse IgG1" <u>Journal of Immunology</u> 158(5):2211-2217 (Mar 1, 1997)			
	*107	Medesan et al., "Localization of the site of the IgG molecule that regulates maternofetal transmission in mice" <u>European Journal of Immunology</u> 26(10):2533-2536 (Oct 1996)			
	*108	Meng et al., "Green fluorescent protein as a second selectable marker for selection of high producing clones from transfected CHO cells" <u>Gene</u> 242:201-207 (2000)			
	*109	Miller et al., "A Novel Role for the Fc Receptor γ Subunit: Enhancement of the FcγR Ligand Affinity" <u>Journal of Experimental Medicine</u> 183:2227-2233 (1996)			
	*110	Morgan et al., "The N-terminal end of the C <sub>H</sub> 2 domain of chimeric human IgG1 anti-HLA-DR is necessary for C1q, FcγRI and FcγRIII binding" <u>Immunology</u> 86(2):319-324 (Oct 1995)			
	*111	Morrison et al., "Structural Determinants of Human IgG Function" <u>Immunologist</u> 2:119-124 (1994)			
C.C.	*112	Nagarajan et al., "Ligand binding and phagocytosis by CD16 (Fc γ receptor III) isoforms. Phagocytic signaling by associated ζ and γ subunits in Chinese hamster ovary cells" <u>Journal of Biological Chemistry</u> 270(43):25762-25770 (Oct 27, 1995)			
Examiner <u>Cu of</u>				Date Considered <u>9/23/05</u>	
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

FORM PTO-1449		U.S. Dept. of Commerce Patent and Trademark Office		Atty Docket No. P1726R1D1	Serial No. <b>10457,833</b> <del>To Be Assigned</del>
<b>LIST OF DISCLOSURES CITED BY APPLICANT</b> (Use several sheets if necessary)				Applicant Presta, L.	
				Filing Date 15 Jan 2004	Group <b>1644</b> <del>To Be Assigned</del>
<b>OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)</b>					
C.C.	*113	Ngo et al., "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox" <u>The Protein Folding Problem and Tertiary Structure Prediction</u> , Merz & Le Grand, Boston: Birkhauser pps. 491-495 (1994)			
	*114	Nieto et al., "Involvement of the Fcγ receptor IIIA genotypes in susceptibility to rheumatoid arthritis" <u>Arthritis and Rheumatism</u> 43(4):735-739 (2000)			
	*115	Okada et al., "Cutting Edge: Role of the inositol phosphatase SHIP in B cell receptor-induced Ca <sup>2+</sup> oscillatory response" <u>Journal of Immunology</u> 161(10):5129-5132 (Nov 15, 1998)			
	*116	Ono et al., "Deletion of SHIP or SHP-1 reveals two distinct pathways for inhibitory signaling" <u>Cell</u> 90(2):293-301 (Jul 25, 1997)			
	*117	Ono et al., "Role of the inositol phosphatase SHIP in negative regulation of the immune system by the receptor FcγRIIB" <u>Nature</u> 383(6597):263-266 (Sep 19, 1996)			
	*118	Papac et al., "A high-throughput microscale method to release N-linked oligosaccharide from glycoproteins for matrix-assisted laser desorption/ionization time-of-flight mass spectrometric analysis" <u>Glycobiology</u> 8(5):463-472 (1998)			
	*119	Papac et al., "Analysis of Acidic Oligosaccharides and Glycopeptides by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry" <u>Anal. Chem.</u> 68:3215-3223 (1996)			
	*120	Popov et al., "The stoichiometry and affinity of the interaction of murine Fc fragments with the MHC class I-related receptor, FcRn" <u>Molecular Immunology</u> 33(6):521-530 (Apr 1996)			
	*121	Porges et al., "Novel Fcγ Receptor I Family Gene Products in Human Mononuclear Cells" <u>J. Clin. Invest.</u> 90:2102-2109 (1992)			
	*122	Presta et al., "Humanization of an Anti-Vascular Endothelial Growth Factor Monoclonal Antibody for the Therapy of Solid Tumors and Other Disorders" <u>Cancer Research</u> 57(20):4593-4599 (Oct 15, 1997)			
	*123	Raghavan and Bjorkman, "Fc Receptors and their Interactions with Immunoglobulins" <u>Annu. Rev. Cell. Dev. Biol.</u> 12:181-220 (1996)			
	*124	Raghavan et al., "Analysis of the pH dependence of the neonatal Fc receptor/immunoglobulin G interaction using antibody and receptor variants" <u>Biochemistry</u> 34(45):14649-14657 (Nov 14, 1995)			
	*125	Ravetch and Clynes, "Divergent roles for Fc receptors and complement in vivo" <u>Annual Review of Immunology</u> 16:421-432 (1998)			
	*126	Ravetch and Kinet, "Fc Receptors" <u>Annual Review of Immunology</u> 9:457-492 (1991)			
	*127	Ravetch, J., "Fc receptors" <u>Current Opinion in Immunology</u> 9(1):121-125 (Feb 1997)			
	*128	Ravetch, J., "Fc receptors: rubor redux" <u>Cell</u> 78(4):553-560 (Aug 26, 1994)			
	*129	Reff et al., "Depletion of B Cells In Vivo by a Chimeric Mouse Human Monoclonal Antibody to CD20." <u>Blood</u> 83(2):435-445 (Jan 15, 1994)			
	*130	Sarmay et al., "Ligand Inhibition Studies on the Role of Fc Receptors in Antibody-Dependent Cell-Mediated Cytotoxicity." <u>Molecular Immunology</u> 21(1):43-51 (Jan 1984)			
	*131	Sarmay et al., "Mapping and comparison of the interaction sites on the Fc region of IgG responsible for triggering antibody dependent cellular cytotoxicity (ADCC) through different types of human Fcγ receptor" <u>Molecular Immunology</u> 29(5):633-639 (May 1992)			
C.C.	*132	Sensel et al., "Amino acid differences in the N-terminus of Cγ2 influence the relative abilities of IgG2 and IgG3 to activate complement" <u>Molecular Immunology</u> 34(14):1019-1029 (Oct 1997)			
Examiner 				Date Considered <b>9/23/05</b>	
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

FORM PTO-1449		U.S. Dept. of Commerce Patent and Trademark Office		Atty Docket No. P1726R1D1	Serial No. <u>10/757,863</u> <del>To Be Assigned</del>
<b>LIST OF DISCLOSURES CITED BY APPLICANT</b> (Use several sheets if necessary)				Applicant Presta, L.	
				Filing Date 15 Jan 2004	Group <u>1644</u> <del>To Be Assigned</del>
<b>OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)</b>					
C.C.	*133	Shores et al., "T cell development in mice lacking all T cell receptor $\zeta$ family members ( $\zeta$ , $\eta$ , and $\text{Fc}\epsilon\text{RI}\gamma$ )" <u>Journal of Experimental Medicine</u> 187(7):1093-1101 (Apr 6, 1998)			
	*134	Sondermann et al., "Crystal structure of the soluble form of the human $\text{Fc}\gamma$ -receptor $\text{I}\gamma\text{B}$ : a new member of the immunoglobulin superfamily at 1.7 Å resolution" <u>EMBO Journal</u> 18(5):1095-1103 (1999)			
	*135	Sondermann et al., "The 32-Å Crystal Structure of the Human IgG1 Fc Fragment- $\text{Fc}\gamma\text{RIII}$ Complex." <u>Nature</u> 406:267-273 (2000)			
	*136	Steplewski et al., "Biological activity of human-mouse IgG1, IgG2, IgG3, and IgG4 chimeric monoclonal antibodies with antitumor specificity" <u>Proc. Natl. Acad. Sci. USA</u> 85(13):4852-4856 (Jul 1988)			
	*137	Strohmeier et al., "Neutrophil functional responses depend on immune complex valency" <u>Journal of Leukocyte Biology</u> 58(4):403-414 (Oct 1995)			
	*138	Strohmeier et al., "Role of the $\text{Fc}\gamma\text{R}$ subclasses $\text{Fc}\gamma\text{RII}$ and $\text{Fc}\gamma\text{RIII}$ in the activation of human neutrophils by low and high valency immune complexes" <u>Journal of Leukocyte Biology</u> 58(4):415-422 (Oct 1995)			
	*139	Suzuki et al., "Distinct contribution of Fc receptors and angiotensin II-dependent pathways in anti-GBM glomerulonephritis" <u>Kidney International</u> 54(4):1166-1174 (Oct 1998)			
	*140	Sylvestre and Ravetch, "A dominant role for mast cell Fc receptors in the Arthus reaction" <u>Immunity</u> 5(4):387-390 (Oct 1996)			
	*141	Sylvestre and Ravetch, "Fc receptors initiate the Arthus reaction: redefining the inflammatory cascade" <u>Science</u> 265(5175):1095-1098 (Aug 19, 1994)			
	*142	Sylvestre et al., "Immunoglobulin G-mediated inflammatory responses develop normally in complement-deficient mice" <u>Journal of Experimental Medicine</u> 184(6):2385-2392 (Dec 1, 1996)			
	*143	Takai et al., "Augmented humoral and anaphylactic responses in $\text{Fc}\gamma\text{RII}$ -deficient mice" <u>Nature</u> 379(6563):346-349 (Jan 25, 1996)			
	*144	Takai et al., "FcR $\gamma$ chain deletion results in pleiotrophic effector cell defects" <u>Cell</u> 76(3):519-529 (Feb 11, 1994)			
	*145	Tamm et al., "The IgG binding site of human $\text{Fc}\gamma\text{RIIIB}$ receptor involves CC' and FG loops of the membrane-proximal domain" <u>Journal of Biological Chemistry</u> 271(7):3659-3666 (Feb 16, 1996)			
	*146	Tao and Morrison, "Studies of Aglycosylated Chimeric Mouse-Human IgG: Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region." <u>J. of Immunology</u> 143(8):2595-2601 (Oct 15, 1989)			
	*147	Tao et al., "Structural Features of Human Immunoglobulin G That Determine Isotype-Specific Differences in Complement Activation." <u>J. Experimental Medicine</u> 178(2):661-667 (Aug 1, 1993)			
	*148	Tao et al., "The differential ability of human IgG1 and IgG4 to activate complement is determined by the COOH-terminal sequence of the $\text{C}\mu 2$ domain" <u>Journal of Experimental Medicine</u> 173(4):1025-1028 (Apr 1991)			
	*149	Tax et al., "Fc receptors for mouse IgG1 on human monocytes: polymorphism and role in antibody-induced T cell proliferation" <u>Journal of Immunology</u> 133(3):1185-1189 (Sep 1984)			
	*150	Ting et al., "Fc $\gamma$ receptor activation induces the tyrosine phosphorylation of both phospholipase C (PLC)- $\gamma 1$ and PLC- $\gamma 2$ in natural killer cells" <u>Journal of Experimental Medicine</u> 176(6):1751-1755 (Dec 1, 1992)			
	*151	Umana et al., "Engineered Glycoforms of an Antineuroblastoma IgG1 with Optimized Antibody-Dependent Cellular Cytotoxic Activity." <u>Nature Biotechnology</u> 17:176-180 (1999)			
C.C.	*152	Urfer et al., "High resolution mapping of the binding site of TrkA for nerve growth factor and TrkC for neurotrophin-3 on the second immunoglobulin-like domain of the Trk receptors" <u>Journal of Biological Chemistry</u> 273(10):5829-5840 (Mar 6, 1998)			
Examiner 				Date Considered <u>9/23/05</u>	
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

FORM PTO-1449		U.S. Dept. of Commerce Patent and Trademark Office		Atty Docket No. P1726R1D1	Serial No. <u>10/757,863</u> <del>To Be Assigned</del>
LIST OF DISCLOSURES CITED BY APPLICANT (Use several sheets if necessary)				Applicant Presta, L.	
				Filing Date 15 Jan 2004	Group <u>1644</u> <del>To Be Assigned</del>
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)					
C.C.	*153	Van de Winkel and Anderson, "Biology of human immunoglobulin G Fc receptors" <u>Journal of Leukocyte Biology</u> 49(5):511-524 (May 1991)			
	*154	Vance et al., "Binding of monomeric human IgG defines an expression polymorphism of FcγRIII on large granular lymphocyte/natural killer cells" <u>Journal of Immunology</u> 151(11):6429-6439 (Dec 1, 1993)			
	*155	Ward and Ghetie, "The Effector Functions of Immunoglobulins: Implications for Therapy." <u>Therapeutic Immunology</u> 2(2):77-94 (1995)			
	*156	Warmerdam et al., "A Single Amino Acid in the Second Ig-Like Domain of the Human Fcγ Receptor II is Critical for Human IgG2 Binding" <u>Journal of Immunology</u> 147(4):1338-1343 (Aug 15, 1991)			
	*157	Weng et al., "Computational determination of the structure of rat Fc bound to the neonatal Fc receptor" <u>Journal of Molecular Biology</u> 282(2):217-225 (Sep 18, 1998)			
	*158	Werther et al., "Humanization of an Anti-Lymphocyte Function-Associated Antigen (LFA)-1 Monoclonal Antibody and Reengineering of the Humanized Antibody for Binding to Rhesus LFA-1" <u>J. of Immunology</u> 157:4986-4995 (1996)			
	*159	Woof et al., "Localisation of the Monocyte-Binding Region on Human Immunoglobulin G." <u>Molecular Immunology</u> 23(3):319-330 (Mar 1986)			
	*160	Wright and Morrison, "Effect of altered C <sub>H</sub> 2-associated carbohydrate structure on the functional properties and in vivo fate of chimeric mouse-human immunoglobulin G1" <u>Journal of Experimental Medicine</u> 180(3):1087-1096 (Sep 1, 1994)			
	*161	Wu et al., "A Novel Polymorphism of FcγRIIIa (CD16) Alters Receptor Function and Predisposes to Autoimmune Disease." <u>Journal of Clinical Investigation</u> 100(5):1059-1070 (Sep 1, 1997)			
	*162	Xu et al., "The N-Terminal Sequence of the C <sub>H</sub> 2 Domain Controls the Differential Ability of Human IgG1 and IgG2 to Activate Complement." <u>Journal of Immunology</u> (abstract no. 862) 150(8):152A (Apr 15, 1993)			
	*163	Yap et al., "Human Fc Gamma Receptor Y1A (FcγRIIA) Genotyping and Association with Systemic Lupus Erythematosus (SLE) in Chinese and Malays in Malaysia." <u>Lupus</u> 8(4):305-310 (1999)			
C.C.	*164	Yuan et al., "Antibody-mediated modulation of Cryptococcus neoformans infection is dependent on distinct Fc receptor functions and IgG subclasses" <u>Journal of Experimental Medicine</u> 187(4):641-648 (Feb 16, 1998)			
Examiner		<u>C. C.</u>		Date Considered <u>9/23/05</u>	
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					



**FORM PTO-1449**

U.S. Dept. of Commerce  
Patent and Trademark Office

Atty Docket No.  
P1726R1D1

Serial No. 14757/863  
~~10/757,863~~

**LIST OF DISCLOSURES CITED BY APPLICANT**

(Use several sheets if necessary)

**Applicant**  
**Presta, L.**

**Filing Date**  
15 Jan 2004

**Group**  
**1644**

~~FOREIGN PATENT DOCUMENTS~~

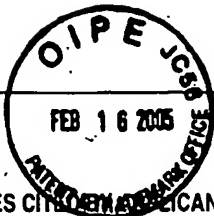
Examiner Initials		Document Number	Date	Country	Class	Subclass	Translation Yes No	
C.C.	165	WO 00/42072	20.07.00	PCT				

**Examiner**

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





Sheet 1 of 1

FORM PTO-1449

U.S. Dept. of Commerce  
Patent and Trademark Office

Atty Docket No.

P1726R1D1

Serial No.

10/757,863

## LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Presta, L.

Filing Date

15 Jan 2004

Group

1644

## U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date
C.C.	*168	2001/0036459	01.11.01	Ravetch, J.		
	*169	2003/0166868	04.09.03	Presta et al.		
	*170	2004/0191244A1	30.09.04	Presta, L.		
	*171	2004/0228856A1	18.11.04	Presta, L.		
	*172	4,490,473	25.12.84	Brunhouse		
	*173	5,419,904	30.05.95	Irie, R.		
	*174	5,731,168	24.03.98	Carter et al.		
	*175	6,676,927	13.01.04	Ravetch, J.		
	*176	6,737,056	18.05.04	Presta, L.		
C.C.	*177	6,821,505	23.11.04	Ward, B.		

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

C.C.	178	Antibodies. A Laboratory Manual, Harlow and Lane, New York: Cold Spring Harbor Laboratory pps. 321 (1988)
	179	Fridman, W., "Fc receptors and immunoglobulin binding factors" <u>FASEB Journal</u> 5(12):2684-2690 (Sep 1991)
	180	Fundamental Immunology, Paul, W. E., 2nd edition, New York: Raven Press pps. 60 and 61 (1989)
	181	Male, D. Immunology, An Illustrated Outline, London: Gower Medical Publishing Ltd. pps. 21 and 23 (1986)
	182	Newkirk et al., "Rheumatoid factor avidity in patients with rheumatoid arthritis: identification of pathogenic RFs which correlate with disease parameters and with the gal(0) glycoform of IgG" <u>Journal of Clinical Immunology</u> 15(5):250-257 (Sep 1995)
C.C.	183	Williams et al., "Heteroclitic polyclonal and monoclonal anti-Gm(a) and anti-Gm(g) human rheumatoid factors react with epitopes induced in Gm(a-), Gm(g-) IgG by interaction with antigen or by nonspecific aggregation" <u>Journal of Immunology</u> 149(5):1817-1824 (Sep 1, 1992)

Examiner

Date Considered

9/23/05

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-398.

FORM PTO-1449

U.S. Dept. of Commerce  
Patent and Trademark OfficeAtty Docket No.  
P1726R1D1Serial No.  
10/757,863LIST OF DISCLOSURES CITED BY APPLICANT  
(Use several sheets if necessary)Applicant  
Presta, L.Filing Date  
15 Jan 2004Group  
1644

## U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date
C.C.	*184 5,204,244	20.04.93	Fell et al.			
	*185 5,834,597	10.11.98	Tso et al.			
	*186 6,136,310	24.10.00	Hanna et al.			
	*187 6,491,916	10.12.02	Bluestone et al.			
C.C.	*188 6,706,265	16.03.04	Bolt et al.			

Examiner

*ln es*

Date Considered

*9/23/05*

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 1

FORM PTO-1449

U.S. Dept. of Commerce  
Patent and Trademark Office

Atty Docket No.

P1726R1D1

Serial No.

10/757,863

## LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Presta, L.

Filing Date

15 Jan 2004

Group

1644

## U.S. PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date
CC	*189	2005/0118174A1	02.06.05	Presta, L.			

Examiner

*an es*

Date Considered

*9/23/05*

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





MAGYAR  
SZABADALMI  
HIVATAL

## ÚJDONSÁGKUTATÁSI JELENTÉS

A bejelentés ügyszáma: P0104865

Kat.	P C T	A releváns iratok azonosító adatai	A vonatkozó igénypontok száma	A bejelentés osztályjelzője NSZO6
CC	*	Lásd a mellékelt PCT/US0000973(WO0042072) számú nemzetközi újdonságkutatási jelentés másolatát!	.....	C07K 1600 A61K 39395 C12N 1513 C12N 1585 C12N 510 G01N 3368 G01N 33577
				A vizsgált szakterület NSZO C07K

Dátum: 2004.06.28	Ügyintéző: Zoltán Fülöp	
<p>* PCT-újdonságkutatási jelentésből</p> <p>A releváns iratok kategóriái:</p> <p>X: olyan irat, amely a vizsgált megoldás valamennyi lényeges jellemzőjét tartalmazza</p> <p>Y: olyan irat, amely egy vagy két irattal kombinálva magában foglalja a vizsgált megoldás valamennyi lényeges jellemzőjét</p> <p>A: a technika állását meghatározó irat</p>	<p>O: olyan irat, amely nyilvános gyakorlatbavételre, használatra, szóbeli közlésre, kiállításra vagy más módon történő ismertetésre utal</p> <p>P: olyan irat, amely a magyar bejelentés napja előtt, de az igényelt elsőbbség napján vagy azt követően került nyilvánosságra</p> <p>E: olyan korábbi elsőbbségű magyar szabadalmi vagy használati mintaoltalmi leírás, amely a</p>	<p>vizsgált bejelentés elsőbbségi napját követően került nyilvánosságra</p> <p>D: olyan irat, amelyet a vizsgált megoldás leírásában a technika állásának ismertetésénél a bejelentő idéz</p> <p>&amp;: azonos szabadalmi családba tartozó irat /analóg/</p>